

Amendments to the Drawings:

The attached two sheets of drawings includes changes to FIGS. 1 and 10.

Sheet 1, which includes FIGS. 1-3 replaces the previous replacement sheet 1/11 including FIGS. 1-3.

Sheet 8, which includes FIG. 10 replaces the previous replacement sheet 8/11 including FIG. 10.

Attachment: Replacement Sheets 1/11 and 8/11

REMARKS/ARGUMENTS

Status of Application

Claims 1-37 are pending. The Examiner has raised a number of objections and rejections as follows:

- Objection to Abstract;
- Objection to lack of “(Prior Art)” legend in FIG. 1;
- Drawing objection under 37 C.F.R § 1.83(a) as not showing all the claimed features;
and
- Rejection of claims 1-37 under 35 U.S.C. § 112, first paragraph for lack of written description.

Amendments to Address Informalities

Applicant has amended the Abstract by changing “comprises” to “includes” and changing the semicolon after “parameters” to a comma.

Applicant has amended FIG. 1 to add the legend “(Prior Art)” and has amended FIG. 10 to correct typographical errors (“Sythesis base” changed to “Synthesis based”).

The Drawing Objection and the Written Description Rejection

The Examiner has objected to the drawings under 37 C.F.R § 1.83(a) as not showing all the claimed features, stating as follows:

4. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the “synthesized image transform is generated from a set of synthesizing parameters” and “the synthesizing parameters are generated from the visual effect parameters for the complete set of transforms” must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

The Examiner has also rejected the claims on the basis of 35 U.S.C. § 112, first paragraph (lack of written description) as follows:

5. With regard to claims 1 and/or 37 and therefore its dependent claims, the limitation “synthesized image transform is generated from a set of synthesizing parameters” and “the synthesizing parameters are generated from the visual effect parameters for the complete set of transforms”.

As understood, this objection and rejection are based on the fact that the drawings do not show, and the detailed description does not describe, either a “synthesized image transform” or “synthesizing parameters.” The objection and rejection will be discussed together since Applicant believes that they can be addressed by a common set of remarks.

Applicant believes that the issue arose due to a change of terminology between the provisional application and the regular application. The drawings illustrate what are referred to as a “parametric image transform” based on a “transform parameter set,” and a set of “visual effect parameters.” Paragraph [0023], which points out that the application uses the terminology of synthesized transforms and parametric transforms interchangeably, reads as follows:

[0023] FIG. 2 shows a parametric image transform. Page 8 of the Provisional Application, section “Fundamental Definition and Algorithms,” subsection “Parametric transforms” presents the notation and definition for a parametric transform. We also refer to a parametric transform as a “synthesized” transform.

Thus, for example, FIG. 5, shows a conversion between a transform parameter set (which can be equivalently referred to as “set of synthesizing parameters”) and visual effect parameter set (see paragraph [0028]). The term “parametric transform” (or “parametric image transform”) occurs 11 times in the Brief Description of the Drawings and the Description of Specific Embodiments, and 10 times in the provisional application, which is Attachment 1 of the present application.

Attachment 1 sets forth various characteristics for the parameters and for the transforms using the “parametric transform” terminology, and the Description of Specific Embodiments ties the drawings to specific portions of Attachment 1. Again, the “parametric transform” terminology is used. Transforms having the characteristics described in Attachment 1 become building blocks that allow them to be composed with other transforms for a generalized image transform. Attachment 1 provides an enabling disclosure for using these synthesized transforms in a variety of basic image processing applications.

Although the term “parametric transform” was given specific meaning in the provisional application (Attachment 1), and in the Description of Specific Embodiments, it was recognized that transforms not having the characteristics of “parametric transforms” still could have associated parameters and be considered parametric transforms in other contexts. Thus the

synthesis terminology was chosen, and indeed appears 8 times in the Description of Specific Embodiments to form a bridge between the nomenclature of Attachment 1 and the claims.

Applicant respectfully requests reconsideration and withdrawal of the drawing objection under 37 C.F.R. § 1.83(a) and the rejection of claims 1-37 under 35 U.S.C. § 112, first paragraph.

Claim Amendments

Applicant has taken this opportunity to amend a number of the claims to correct minor informalities. These informalities are believed to be self-evident and therefore do not add new matter. Although not requested to by the Examiner, Applicant has also removed the subheadings in the claims.

CONCLUSION

In view of the foregoing, Applicant believes all claims now pending in this Application are in condition for allowance. The issuance of a formal Notice of Allowance at an early date is respectfully requested.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 650-326-2400.

Respectfully submitted,

/David N. Slone, Reg. No. 28,572/

David N. Slone
Reg. No. 28,572

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 650-326-2400
Fax: 415-576-0300
DNS:m3g

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